2017

Jāderloon®

EXCLUSIVELY BY

The Greenhouse Company

Protect Your Plants and Profit

www.thegreenhousecompany.net

800-258-7171

The Best Greenhouse for any Application

The Greenhouse Company's proprietary line of Jāderloon® Products have each been developed specifically to meet a unique set of market needs. After 40 years and thousands of installations, we have seen it all. Designed and tested to eliminate the common headaches of the Greenhouse owners, our products are backed by the industry's best warranty. Our service is second to none and we promise to deliver an unbeatable buying experience.

ALL Greenhouses Are Not Made the Same!

- First to engineer & test designs based on ASTM standard testing methods
- Invented and pioneered the use of Cross Connectors™ to nearly double strength and rigidity of frames
- Invented Poly-Patch™ – the original polyethylene repair tape and still the best!
- Our frames are: 30% stronger, 10% heavier, 100% better
- Designed to withstand the worst weather & give plants the best protection
- Our frames have been built and tested in hurricane alley for 40 years with a 99.9% survival rate
- Established horizontal air-flow as the dominant air circulation method in the industry
- Provide more efficient temperature & humidity control
- Lowest total cost of ownership with reduced maintenance, longer life, best warranty in the industry
- We offer approved and highly trained installation crews that will install our product to ensure quality is met in all aspects of the building.

1977
Kwic-Klip™

1981
Poly-Patch™

1983
UniFlow Fans

1986
Carolina Cooler™

1986
Palmetto Roof Vents

1986
Free Standing Benches

1987
Versa Vent

1987
Cross Connector™

1989
Kwic-Trip™ Trolley System

2001
TLC Control System

2002
Jādershade™

2014
Uni-Force™ Inflation Systems

2015
Louver Lifter

2016
Greenhouse Command Center

Our Staff

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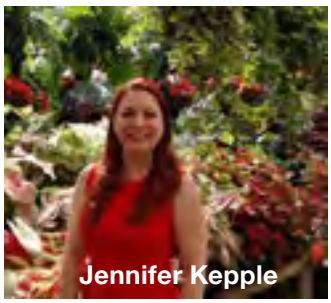
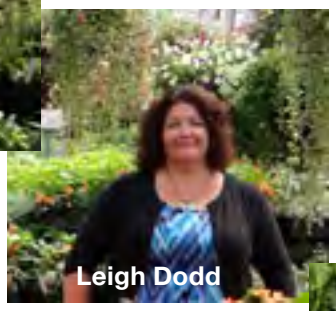
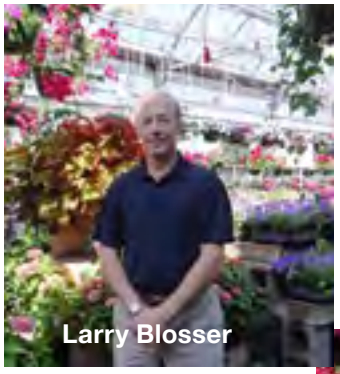
Judy Moore

Jack Noles


Jennifer Kepple


Leigh Dodd

Tom Looney


Larry Blosser

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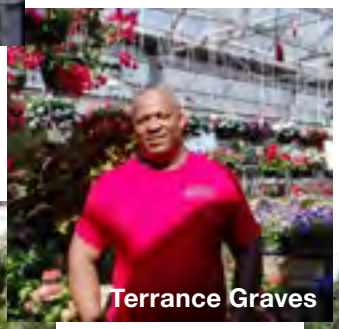
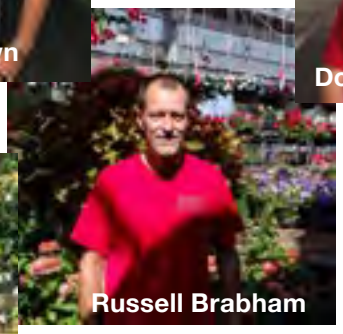

Terrance Graves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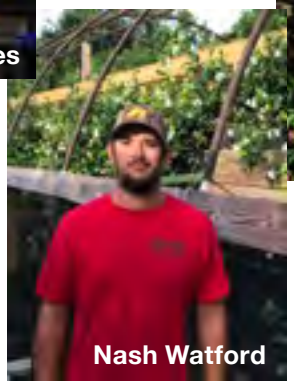
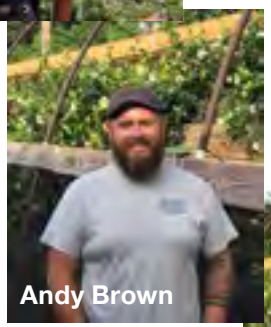
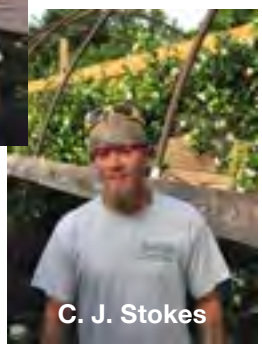
Mike McCaw


Nash Watford


Andy Brown


C. J. Stokes

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The Appalachian

Education • Retail Garden Centers • Research

The Appalachian's gutter-connect greenhouse's attractive A-frame roofline and variety of cover and equipment options, make it the preferred greenhouse structure for Retail display and Institutional applications. The ability to join multiple bays together of any width and length makes it possible to fit most any situation.

Appalachian Specifications:

- Available Widths: 18’ - 42’
- Available Lengths: Any multiple of 12’
- Available Heights: 8’ - 14’ (Other heights available)
- Frame Materials: 1.5” square 16GA truss web members and sidewall rails
  2” square 15GA truss chords and roof purlins
  4” square 13GA columns
  2” square 15GA and 1.5” square 15GA
  All members are galvanized steel
- Gutters 14GA galvanized steel
- Design Loads May be certified for any location.
- Cover Options Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal

The Appalachian structure can be installed with columns set into concrete footings or plated and bolted to a pre-engineered pre-poured concrete pad.

The Piedmont

Growers • Retail Garden Centers

The Piedmont's arched roofline, wide bay widths and superior strength, make it the top choice when a larger open work area is required. The ability to join multiple bays together of any width and length makes it possible to fit most any situation.

Piedmont Specifications:

- Available Widths: 30’, 32’ and 35’
- Available Lengths: Any multiple of 12’
- Available Heights: 8’ - 14’ (Inquire for special heights)
- Frame Materials: 1.5” x 16GA truss web members and sidewall girts
  2” x 15GA truss chords and roof purlins
  4” x 13GA columns
  2” square 15GA and 1.5” square 15GA
  All members are galvanized steel
- Gutters 7.4 width x 1/8” Thick 6005 Aluminum alloy
- Design Loads May be certified for any location.
- Cover Options Walls: Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
  Roof: Polyethylene Film

The Classic

Growers • Retail Garden Centers

The Classic's arched roofline, economical design, multiple bay widths, integrated gutters and strong exterior bracing, make it the best investment for commercial growers. Like the Appalachian and Piedmont, the ability to join multiple bays together of any width and length makes it possible to fit most any situation.

Classic Specifications:

- Available Widths: 18’, 22’, 24’ and 30’
- Available Lengths: Any multiple of 12’ (8’ for northern installations)
- Available Heights: 8’ - 14’ (Inquire for special heights)
- Frame Materials: All members galvanized steel

Width	Bows	Cross Braces	Columns	Rib Braces
18’	1.315” x 18GA	1.66” x 16GA	1.90” x 13GA	1.315” x 18GA
22’	1.66” x 16GA		2.375” x 13GA	
24’				
30’	1.90” x 13GA			

- Gutters 7.4 width x 1/8” Thick 6005 Aluminum alloy
- Design Loads May be certified for any location.
- Cover Options: Walls: Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
  Roof: Polyethylene Film

The Instructor

Education • Therapy • Home

The Instructor's aesthetic design, low maintenance requirements, range of available widths and superior strength, make it the forerunner for all educational and developmental institutions. The structures include trusses at every column to maximize the frame's strength.

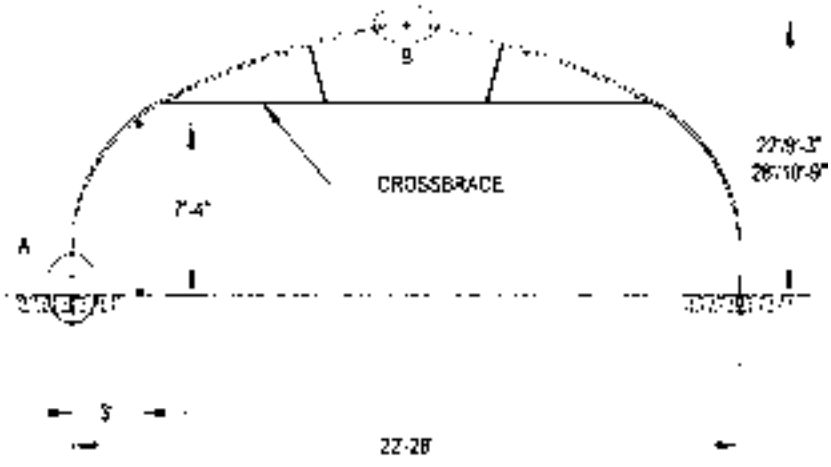
Instructor Specifications:

- Available Widths: 18’ to 30’
- Available Lengths: Any multiple of 6’
- Available Heights: 6’ or 8’ (Inquire for special heights)
- Frame Materials: 1.5” 16GA truss web members and sidewall girts and purlins
  2” 11GA truss chords and ridge purlins
  2 x 4” 11GA columns
  All members galvanized steel
- Design Loads May be certified for any location.
- Cover Options
  Walls: Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
  Roof: Multi-walled polycarbonate, corrugated polycarbonate or corrugated metal

The Freestanding

Growers • Education • Home

The Freestanding greenhouses are engineered for strength and dependability. The Cross Connectors™ securely clamp frame members without weakening them. Diagonal braces are computer designed to provide maximum strength with minimum shadow. The crossbrace assembly at every intermediate bow more than doubles the frame's strength on the 22' - 30' widths.



Freestanding Specifications:

- Available Widths: 12’, 14’, 16’, 22’, 24’, 28’ and 30’
- Available Lengths: Any multiple of 4’, 5’ or 6’ (4’ for northern installations)
- Frame Materials: 12’ to 16’ widths - 1.66” x 16GA one piece bows
  22’ to 30’ widths - 1.66” x 14GA two piece bows
  1.315” x 18GA Cross Braces (on intermediate bows of 22’ - 30’ widths)
  1.9” x 13GA Anchors
  1.315” x 18GA Purlins and Corner Braces
  .922” x 18GA Rib Braces
  All members are galvanized steel
- Cover Options Endwall Walls: Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
  Roof: Polyethylene Film

Cross Connector™

Economy Frames

Economy Frame Specifications:

Available Widths: 12’, 14’, 16’, 20’

Available Lengths: Any multiple of 4’, 5’ or 6’ (4’ for northern installations)

Frame Materials:

Bows
- 12’, 14’ and 16’ widths - 1.315” x 18GA one piece
- 20’ width - 1.66” x 16GA two piece

Anchors
- 12’, 14’ and 16’ widths - 1.5” x 13GA Conduit
- 20’ width - 1.9” x 13GA

Purlins and Corner Braces
- 1.315” x 18GA

All members are galvanized steel

Cover Options
- Endwall Walls: Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
- Roof: Polyethylene Film

Hobby Houses

Complete Packages*

Micro-Farm with **Polycarbonate** Cover and 6.5’ high sidewalls

- Complete frame system with 1” x 2” galvanized top and bottom chords, hat channel, purlin run and 1” square galvanized steel tubing for endwall framing
- Twinwall 8 mm clear polycarbonate, extrusions and hardware
- Ventilation package, including exhaust fan louvered door vent and thermostat
- Heating system
- Bench system with Dura-Bench top
- 3’ x 7’ Twinwall Polycarbonate Single Hinged Door

12’ x 12’ Package **$5,828**
Upgrade to: 33” cooler **$1,071**

12’ x 24’ Package **$8,362**
Upgrade to: 33” cooler **$940**

Complete Packages with **Polyethylene** Cover

- Complete frame system
- Double layer, inflated, 4 year, 6 mil poly cover and attachment system
- Ventilation package, including exhaust fan, louvered door vent and thermostat
- Heating system
- Bench
- Heavy duty storm door

12’ x 12’ Package **$2,330**
(includes 1- 4’ x 10’ bench)

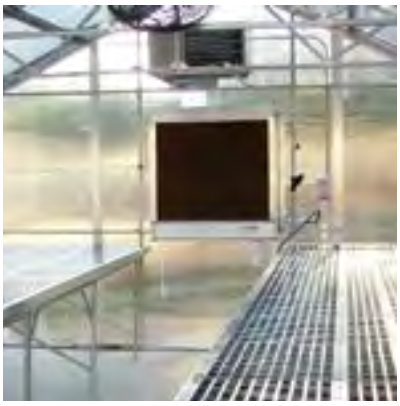
12’ x 24’ Package **$3,986**
(includes 1- 4’ x 22’ bench)

Frame System

Systems include galvanized steel frame, one layer of polyethylene film cover, hardware and one heavy duty storm door.

System 1212 **$1,202**
System 1224 **$1,415**

*Customer must provide treated lumber. Complete instructions are included. Assembly required.



Micro-Cooler $1,070

The Micro-Cooler is a miniature version of the famous Carolina Cooler™. It is sized for an average hobby greenhouse. The Micro-Cooler is coupled with a small aluminum inlet shutter and is spaced off the wall to allow room for the shutter motor to operate between them. The complete plumbing system is also sized to match the requirements of the Micro-Cooler.

Cloverleaf
Johns Island, SC

Everything You Need

To Make Your Greenhouse Business Grow!

"The Package" was developed to provide a complete greenhouse, ready to move into. Just add benches and a few other growing accessories to match the plants you'll be growing. Note: treated lumber for baseboards and endwall framing provided by customer. Freight charges are additional.

Includes:

- Complete Frame
- Two 42", 3/4 HP, Exhaust Fans
- 33" Motorized Gable Shutter
- Four Uni-Flo™ 20" HAF fans
- Thermostatic Logic Controller
- Heater (Vent Pipe, Hanger)
- 5' x 15' Motorized Versa-Vent
- Inflation System
- Kwic-Klip™ Fastening System
- 2 Layers Polyethylene Film
- Two 36" x 84" Aluminum Doors
- Poly-Patch™ Tape

Northern Package

28' x 96'

All features listed above on 4 ft. bow spacing and one 300,000 BTU high efficiency heater. (70▲T)

Southern Package

28' x 95'

All features listed above on 5 ft. bow spacing and one 200,000 BTU heater (60▲T)

Options

Carolina Cooler™:
System 2895, 5' x 15'
Twinwall polycarbonate Endwall.*
*Metal endwalls are recommended for this option.

Field-cut Metal Endwalls:
Metal endwalls are made of 1-1/2" square tubing. Metal ends are field-cut to fit required equipment and are attached with Jāderloon's® exclusive endwall connectors.

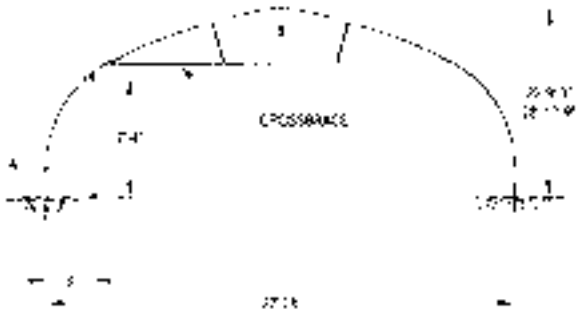
Optional Equipment: Add benches, irrigation, trolley systems, and other equipment to your greenhouse.

Freestanding Packages

Jāderloon® freestanding greenhouse packages include the following:

- Double layer, inflated, 4 year 6 mil poly film cover
- Kwic-Klip™ poly attachment system
- One heavy duty storm door

Option and upgrades available include twinwall polycarbonate endwalls, metal endwall framing, Carolina Cooler™, Versa Vent and more.



45' Length

30' Width

System E3045
30' x 45' - 1,350 sq. ft.

- Complete 30' x 45' frame with 1-5/8" bows and 5 ft. bow spacing. (4 ft. bow spacing available at additional cost.)
- One 48" 3/4 HP single speed exhaust fan
- Two 51" motorized shutters
- One 33" motorized gable shutter
- 115,000 BTUH high efficiency heater with vent pipe and heater hanger
- Two 20" Uni-Flo™ HAF fans
- Single and two stage thermostats

28' Width

System E2845
28' x 45' - 1,260 sq. ft.

- Complete 28' x 45' frame with 1-5/8" bows and 5 ft. bow spacing. (4 ft. bow spacing available at additional cost.)
- One 48" 1/2 HP single exhaust fan
- Two 45" motorized shutters
- One 33" motorized gable shutter
- 115,000 BTUH high efficiency heater with vent pipe and heater hanger
- Two 20" Uni-Flo™ HAF fans
- Single and two stage thermostats

95' Length

System E3095
30' x 95' - 2,850 sq. ft.

- Complete 30' x 95' frame with 1-5/8" bows and 5 ft. bow spacing. (4 ft. bow spacing available at additional cost.)
- Two 48" 3/4 HP single speed exhaust fans
- Four 51" motorized shutters
- One 45" motorized gable shutter
- 230,000 BTUH high efficiency heater with vent pipe and heater hanger
- Four 20" Uni-Flo™ HAF fans
- Two single and two stage thermostats

System E2895
28' x 95' - 2,660 sq. ft.

- Complete 28' x 95' frame with 1-5/8" bows and 5 ft. bow spacing. (4 ft. bow spacing available at additional cost.)
- Two 48" 1/2 HP single speed exhaust fans
- Four 45" motorized shutters
- One 39" motorized gable shutter
- 200,000 BTUH high efficiency heater with vent pipe and heater hanger
- Four 20" Uni-Flo™ HAF fans
- Two single and two stage thermostats

22' Width	16' Width	14' Width
30' Length	**System 1630** **16' x 30' - 480 sq. ft.** • Complete 16' x 30' frame with 1-3/8" bows and 5 ft. bow spacing. • One 24" 1/3 HP single speed exhaust fan • Two 27" motorized shutters • 60,000 BTUH heater with vent pipe and heater hanger • Two 20" Uni-Flo™ HAF fans • All necessary thermostats	**System 1430** **14' x 30' - 420 sq. ft.** • Complete 14' x 30' frame with 1-3/8" bows and 5 ft. bow spacing. • One 24" 1/3 HP single speed exhaust fan • Two 27" motorized shutters • 60,000 BTUH heater with vent pipe and heater hanger • Two 20" Uni-Flo™ HAF fans • All necessary thermostats
System E2245 **22' x 45' - 990 sq. ft.** • Complete 22' x 45' frame with 1-5/8" bows and 5 ft. bow spacing. (4' bow spacing available at additional cost). • One 36" 1/2 HP single speed exhaust fan • Two 39" motorized shutters • One 33" motorized gable shutter • 115,000 BTUH heater with vent pipe and heater hanger • Two 20" Uni-Flo™ HAF fans • All necessary thermostats	**System 1645** **16' x 45' - 720 sq. ft.** • Complete 16' x 45' frame with 1-3/8" bows and 5 ft. bow spacing. • One 24" 3/4 HP single speed exhaust fan • Two 33" motorized shutters • 60,000 BTUH heater with vent pipe and heater hanger • One 20" Uni-Flo™ HAF fan • All necessary thermostats	**System 1445** **14' x 45' - 630 sq. ft.** • Complete 14' x 45' frame with 1-3/8" bows and 5 ft. bow spacing. • One 24" 3/4 HP single speed exhaust fan • Two 33" motorized shutters • 60,000 BTUH heater with vent pipe and heater hanger • One 20" Uni-Flo™ HAF fan • All necessary thermostats
System E2295 **22' x 95' - 2,090 sq. ft.** • Complete 22' x 95' frame with 1-5/8" bows and 5 ft. bow spacing. (4 ft. bow spacing available at additional cost). • Two 36" 1/2 HP single speed exhaust fans • Two 51" motorized shutters • One 33" motorized gable shutter • 175,000 BTUH heater with vent pipe and heater hanger • Four 20" Uni-Flo™ HAF fans • All necessary thermostats	**System 1695** **16' x 95' - 1,520 sq. ft.** • Complete 16' x 95' frame with 1-3/8" bows and 5 ft. bow spacing. • Two 24" 3/4 HP single speed exhaust fans • Two 45" motorized shutters • 115,000 BTUH heater with vent pipe and heater hanger • Two 20" Uni-Flo™ HAF fans • All necessary thermostats	**System 1495** **14' x 95' - 1,330 sq. ft.** • Complete 14' x 95' frame with 1-3/8" bows and 5 ft. bow spacing. • Two 24" 3/4 HP single speed exhaust fans • Two 45" motorized shutters • 115,000 BTUH heater with vent pipe and heater hanger • Two 20" Uni-Flo™ HAF fans • All necessary thermostats

Shelter Shed

Includes
- Framework and Hardware
- One layer of Black/White Poly
- Kwic Wire Base and Spring for Poly Attachment

Uses: Hay/Pinestraw storage, Tractor, RV and Boat Storage, and many other uses

A

B

Size
16 x 40 (RV Shed) 12'H photo A
16 x 30 (Boat Shed) 9'-6"H photo B
Other sizes & heights available

Price
$2,875
$2,356

Natural Ventilation Packages

Jāderloon® freestanding natural ventilation greenhouse packages all include the following:

- Double layer 4 yr 6 mil clear poly, roof and ends with blower and bracket kit
- Kwic wire attachment system
- One heavy duty storm door
- Single stage thermostat

	28’ Width	22’ Width
45’ Length	**System NV2845** **28’ x 45’ - 1,260 sq. ft.** • Complete 28’ x 45’ with 1-5/8” bows and 5’ bow spacing (4’ available - call for quote) • Two 45’ sidewinder curtains (manual) • 145,000 BTU high efficiency heater, vent pipe and hanger kit • Two Uni-Flo™ HAF fans	**System NV2245** **22’ x 45’ - 990 sq. ft.** • Complete 22’ x 45’ frame with 1-5/8” bows and 5’ bow spacing. (4’ available - call for quote) • Two 45’ rollup sidewall curtains (manual) • 100,000 BTU high efficiency heater, vent pipe and heater hanger kit • Two Uni-Flo™ HAF fans
95’ Length	**System NV2895** **28’ x 95’ - 2,660 sq. ft.** • Complete 28’ x 95’ with 1-5/8” bows and 5’ bow spacing (4’ available - call for quote) • Two 95’ sidewinder curtains (manual) • 230,000 BTU high efficiency heater, vent pipe and hanger kit • Four Uni-Flo™ HAF fans	**System NV2295** **22’ x 95’ - 2,090 sq. ft.** • Complete 22’ x 95’ frame with 1-5/8” bows and 5’ bow spacing. (4’ available - call for quote). • Two 95’ rollup sidewall curtains (manual) • 175,000 BTU high efficiency heater, vent pipe and hanger kit • Four Uni-Flo™ HAF fans

Options

- Optional Winter Ventilation Package consists of fan, shutter and thermostat.
- Field-cut Metal Endwalls: Metal endwalls are made of 1-1/2in. square tubing. Metal ends are field-cut to fit required equipment and are attached with Jāderloon’s® exclusive endwall connectors.

- Treated lumber for baseboards and endwall framing provided by customer.
- Freight charges additional.

Seasonal High Tunnels

What Is a Seasonal High Tunnel?

Seasonal High Tunnels are low-cost seasonal extension technology used for producing a diversity of horticulture crops, including vegetables, fruits, herbs and flowers. Seasonal High Tunnel units are primarily placed in a crop field. Crops are grown directly in the soil and the only external connection is the drip irrigation system. Specifically, high tunnels are passively vented, solar greenhouses covered with 1-2 layers of removable greenhouse plastic and 1 layer of 50% white or black shade cloth.

In addition to accelerating crop growth and maturity, Seasonal High Tunnels protect the crop from an erratic environment where extremes in temperature, wind, rainfall, pest and light intensity can severely reduce marketable yield and quality.

Seasonal High Tunnels are manufactured for strength and dependability. Diagonal braces are computer designed to provide maximum strength with minimum shadow. The crossbrace assembly at every intermediate bow more than doubles the frame's strength.

Seasonal High Tunnel Package

30' x 72' Seasonal High Tunnel (6' bow spacing)

All Seasonal High Tunnel packages include the frame, single layer 6mil polyethylene cover , manual roll up sidewall curtains and manual roll up endwall doors.

Seasonal High Tunnels meet NRCS grant requirements. Check your local USDA website www.nrcs.usda.gov.

Seasonal High Tunnel Specifications:

Available Widths: 30'

Available Lengths: Any multiple of 5' or 6'

Frame Materials:

- 1.66" x 14GA two piece bows
- 1.315" x 18GA Cross Braces
- 1.9" x 13GA Anchors
- 1.315" x 18GA Purlins and Corner Braces
- .922" x 18GA Rib Braces
- All members galvanized steel

Cover Options

Endwall Walls: Polyethylene Film covered manual roll up endwall doors or Polyethylene Film

Roof: Polyethylene Film

Sides: Manual roll up sidewall curtain with polyethylene film as the curtain material

Greenhouse Film

4-Year UV Film

Polyethylene films are highly flexible plastic typically manufactured with UV protection to block harmful UV rays that can damage plastic and crops. The more UV protection the longer the life of the plastic. Special resins keep plastic flexible in cold weather, yet stable under hot conditions.

4-Year White Film

Offer shading to delicate plants with 4-year white film. Same as 4-year UV film, but white in color offering more protection to delicate plants.

4-Year Anit-Drip / Infrared Blocker

Polyethylene film that is engineered by an exclusive system that mixes UVA inhibitors, an anti-dust barrier plus Anti-Drip additives and an Infrared Blocker throughout each of the five layers.

Standard lengths are 100', 110' and 150'. Custom lengths are available over 100'. Widths vary according to plastic type from 12' to 50'.

- Greenhouse film may be attached with Jāderloon's® exclusive Kwik-Klip™.
- 4-Year Film is warranted for 4 years only if plastic is double layered and inflated.
- 1-year & overwinter plastic are available for coldframes. Thickness and widths vary. Call for quote.

Film Requirements

For Freestanding Greenhouses*

House Width	Poly Width
12' Hobby House	24 ft.
12' Bow	24 ft.
14' Bow	24 ft.
16' Bow	24 ft.
20' Bow	32 ft.
22' Bow	32 ft.
24' Bow	36 ft.
26' Bow	40 ft.
28' Bow	42 ft.
30' Bow	48 ft.

*Film requirements for the roof of Jāderloon® frames with standard 40" anchors. Extended anchors require wider rolls.

For Gutter-Connected Greenhouses*

House Width	Poly Width
18' Classic	20 ft.
22' Classic	24 ft.
29' Classic	32 ft.
30' Piedmont	36 ft.
32' Piedmont	36 ft.
35' Piedmont	40 ft.

*Film requirements for the roof of Jāderloon® frames.

Film Pricing

Film Size	Clear/UV	White
24' x 100'	**$247**	**$269**
28' x 100'	**$288**	**$313**
32' x 100'	**$349**	**$358**
36' x 100'	**$370**	**N/A**
40' x 100'	**$411**	**$448**
42' x 100'	**$432**	**$470**
48' x 100'	**$493**	**$537**

- Height, width, length and measurement from ground over the top of the frame are required to get the correct film for your greenhouse.

Ground Cover Staples

6" legs, quantity of 1,000

2MS6040 $150

Ground Cover

Stop weeds dead! Pot alignment strips woven into the fabric. Woven fabric keeps soil from souring. Lasts longer, works better than plastic. Use as landscape fabric, floor mats, silt fencing, erosion control fabric.

Part# Premium	Size	Price
2GC0003	**3' x 300'**	**$75**
2GC0006	**6' x 300'**	**$159**
2GC0010	**10' x 300'**	**$219**
2GC0012	**12' x 300'**	**$258**
2GC0015	**15' x 300'**	**$349**

Poly-Patch™ Polyethylene Repair Tape

Poly-Patch™
Leading Polyethylene Repair Tape in USA

Poly-Patch™ is a complete first-aid kit for greenhouses. This rugged patching tape bonds aggressively to polyethylene film. It's a highly UV stabilized 6 mil polyethylene film with a UV stabilized adhesive.

Poly-Patch™ uses for greenhouses:

- For patching any polyethylene rips and tears for both inside and outside
- To reinforce greenhouse covering that is subjected to stress (i.e. inflation blowers direct pressure against plastic)
- To help reinforce plastic at any sharp edges
- To temporarily repair cracks or breaks in polycarbonate coverings.

Application: Clean polyethylene thoroughly to remove any grime which may have accumulated. After any application, press out as many air bubbles as possible.

Part #	Size	Price
2PP0248	**2" x 48'**	**$7.75**
2PP0448	**4" x 48'**	**$17.45**
2PP0648	**6" x 48'**	**$27.50**
2PP1024	**10" x 24'**	**$28**

Kits

Poly-Patch™ Kits come in a white plastic container with a waterproof lid. The kit contains a roll of Poly-Patch™ repair tape (either a 4" or 6" roll of tape), 12 alcohol wipes to clean plastic before patching, a razor knife to cut tape and trim edges of torn plastic and a set of instructions.

Master Kit comes with everything in the 4" Poly-Patch™ Kit plus a 3' x 3' polyethylene patch and a small staple gun with staples.

4PP0448	**4" Kit in 50 oz. container**	**$23.70**
4PP0648	**6" Kit in 70 oz. container**	**$30.88**
4PP0448M	**4" Master Kit in 64 oz. container**	**$33**

Accessories

Black Webbing Tape
Used to secure greenhouse film to wood baseboards.

Part #	Size	Price
2MS0184	**1-3/4" x 300'**	**$15**

Batten Tape
Used to secure greenhouse film to wood baseboards.

Part #	Size	Price
2MS0170	**3/4" x 500'**	**$37.50**
2MS0180	**3/4"x 1000'**	**$69**

Pak Gard Tape
Protects poly film on greenhouse frames when applied to points of contact between the frame and covering. Reduces chafing and heat buildup which can cause excessive wear and deterioration of covering materials.

Part#	Size	Price
2MS1420	**40 ft.**	**$26**

Film Knife
Safe cutting of any plastic or Poly-Patch repair tape.

Part #	Price
2MS6060	**$3.75**

Jāderloon's® Film Fastening Systems

Kwic-Klip™ Film Fastening System*

It's The Best In The Industry For:

- **Holding Power:** Over 250 lbs. of holding power per lineal foot without creating stress points or shear force on the poly. Kwic-Klip™ has held poly on through hurricane winds.
- **Fast and Easy Installation and Removal:** Self-locking, 2-piece, high strength aluminum alloy extrusions snap-on/snap-off for quick, smooth, easy installation and removal of film.
- **Total Capability:** Designed for maximum performance on the greenhouse. Ideal for double and single layer (up to 12 mil) air-inflated greenhouses.

It's self-shading, protecting your poly from UV rays and heat build-up at critical holding points.

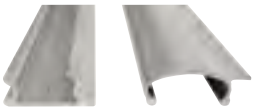
Easily attached to wood or metal and is reusable time and again.

*The Greenhouse Company recommends using a film without a slip agent with our Kwic-Klip™ System.

Quantity Pricing For Kwic-Klip™ Base and Cap (2 layer)

8 ft. to 2,000 ft.	**$1.35/ft.**
2,008 ft. to 5,000 ft.	**$1.30/ft.**
5,008 ft. - 10,000 ft.	**$1.26/ft.**
10,008 ft. and up	**$1.20/ft.**

Kwic-Klip™ Extrusions



Kwic-Klip™ Base & Cap

Use on all surfaces (pipe, tube, box beam, wood). The base may be curved over bows. Use curved cap below over bows. Holds 2 layers of film.

3PN4725	**Base**	**$0.68/ft.**
3PN5098	**Cap**	**$0.67/ft.**

Single Layer Kwic-Klip™ Cap

Engineered specifically for single layer film applications only with the benefits of our time-tested two layer cap. Holds 4 to 6 mil polyethylene.

3PN5095 **$0.80/ft.**

Kwic-Klip™ Angle Base

Joins rigid endwall material with polyethylene roof. Fits different thicknesses of corrugated and flat fiberglass and polycarbonate.

3PN4723 **$2.06/ft.**

Kwic-Klip™ Pre-Bent Cap

Contoured and cut in 6 in. lengths for easy use on bows & curved surfaces. Holds up to 4 layers of film.

3PN5096	**Two Layer**	**$0.74 ea**
3PN5094	**One Layer**	**$0.93 ea**

Kwic Wire Fastening System

Universal Application: Holds single and double layers equally.

Aluminum channel with stainless steel wire lock. Easy installation with no skill required. Can hold against a force applied to either side of lock.

Part #	Description	Length	Price
1AE160096	Base	8 ft.	**$0.64ft.**
2MS3060	Wireloc	6.5 ft.	**$42.80***

*Wireloc sold in groups of 20 pieces

Accessories for Kwic-Klip™ and Kwic Wire Installations

The Greenhouse Company's rubber mallet is specially designed for installing the Jāderloon® Kwic-Klip™ system. Other mallets may damage Kwic-Klip™.

4PN0110 **$39.75**

#10 x1" TEK screws for wood

2FMF0510 **$0.19 ea.**

#12 x 3/4" Drill point screws for metal

2FMF0610 **$0.11 ea.**

Jāderloon® Inflation Systems

Inflation Blower and Air Deflector & Bracket Kit

Centrifugal blower maintains air space between film layers.

The Jāderloon® exclusive four-port air deflector reduces film deterioration by directing air away from the poly layer. White cap reduces degradation and eliminates air flow restrictions.

Standard positive twist lock allows easy replacement of old style bushing in existing mounting brackets

The side panel on the inflation blower allows regulation of the of air volume. Air can be adjusted from 0 to 60 CFM. It has a circular flange that fits exclusive blower bracket/air deflector.

Part #	Description	Price
2EQ0400	**Adjustable Blower**	**$62**
4PN0030	**Air Deflector & Bracket**	**$23.50**

Uni-Force™ Outside Air Inflation System

The self adjusting hose/tube system adjusts automatically allowing the plastic to inflate at the point of penetration by the air inlet hose with up to a 10 inch air space.

The benefits of Uni-Force™ Inflation Systems:
The plastic layers are consistently inflated allowing more air between plastic layers. This reduces condensation inside the house by keeping the cooler outer layer of plastic away from the warmer inner layer of plastic.

Part#	Description	Price
4PN0029A	**Oustide Air Inflation Kit**	**$159**
4PN0029AR	**Outside Air Inflation Retro-Fit Kit**	**$64**

Square Flange Blower

Field interchangeable with most direct drive blowers. Used for inflation, heating, cooling, exhausting and ventilating. Can be mounted in any discharge position. Has automatic reset thermal protection.

Mounting Dimensions:
2-7/8” x 3-15/16” Single speed, 1/25 hp, 115V., 148 CFM, 3160 rpm.

Part #	Description	Price
2EQ0410	**Square Flange Blower**	**$176**
4PN0035	**Air Deflector & Bracket**	**$25**

Jumper Hose

Part #	Description	Price
4PN0040	**18” length**	**$15.75**
4PN0026	**24”**	**$16**
4PN0024	**36”**	**$17**
4PN0041	**48”**	**$18**

Polycarbonate Panels and Accessories

Twinwall Polycarbonate Panels

Great looking with performance characteristics that are making it a preferred greenhouse material.

8mm sheet: 47-1/4" & 71-1/4" widths.

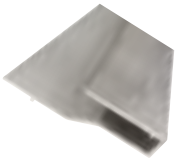
Features:

- Excellent clarity and light transmission
- Energy-efficient twinwall design
- Flame retardant panels melt and won't spread flames
- Box beam structure gives high impact resistance
- UV protected thermal performance
- Anti-drip/anti-fog coating

Endwall Kits

Complete hardware and polycarbonate paneling. Can be made to fit any size endwall. Panel width 4' or 6'.

Extrusions for Twinwall Panels



Polycarbonate Gutter Extrusion

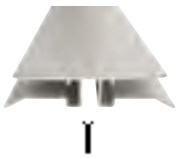
The polycarbonate gutter extrusion is designed to trim the 8mm roof glazing along the gutter on an A-frame style gutter connected roof. It can be caulked and screwed to the edge of the gutter for the best possible seal. The eave extrusion incorporates a small condensate collection channel and will drain to the low end of the pitched gutter.

1AE200240 20 ft. lengths $25.60

Eave Extrusion

The eave extrusion is a multipurpose extrusion in that it trims the 8mm roof glazing as well as the 8mm sidewall glazing. It also incorporates a condensation channel that can be drilled to dispense collected moisture to the exterior of the structure. The eave extrusion mounts to either a 1.5"+ square frame member or a 2x4 wood stringer attached along the eave.

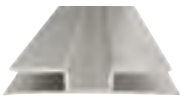
1AE180240 20 ft. lengths $51



Glazing H

Glazing H blends the simplicity of an H-Channel with the elevated profile and seepage channels of a two piece glazing bar. Glazing H works great on gable roofs with external purlins for attachment. Available for 8mm only.

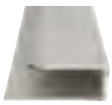
1AE051288 24 ft. lengths $43.20



H-Channel Endwall Covering

Joins 8mm panels on vertical walls. Attaches to flat structural members.

1AE046096 8 ft. $16.80



J-Channel Endwall Covering

Protects and trims raw edges on 8mm panels.

1AE047096 8 ft. $6.08

Neoprene Bonded Washers

Stainless steel washers seal and protect plastic where screws are installed.

2FMF1215 #12 x 1" $0.20 each

Corrugated Polycarbonate Panels

Crystal clear. A great choice for retail endwalls.

90% light transmission or choose a light diffusing texture on clear panels. Tints available for varying degrees of shade.

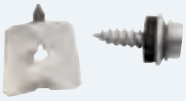
51" wide panels.

Corrugated Panel Accessories

Horizontal Foam Closure

Seals panel ends, 1 in. x 3 ft. pieces.

2MS0386 $1.70 ea.



Self-Grip Lap Fasteners

Joins 2 pieces at lap. Includes screws.

2MS0383 $0.68 ea.

Drill-Point Screw

Fastens panels to aluminum and steel supports. Weatherseal washer head. #12 x 1".

2FMF0519 $0.10 ea.

Woodgrip Screw

Hex-head with weatherseal washer. #10 x 1-1/2".

2FMF0470 $0.16 ea.

Pre-hung Aluminum Doors

Built To Last!

Built Jāderloon® Tough!
Welded, one-inch square, aluminum tubing, triple-braced with one horizontal and two diagonal braces for maximum rigidity and lifelong squareness. No screws to loosen, no joints to weaken.

Exclusive Anti-Draft Frame
Jāderloon's® exclusive Z Frame keeps drafts to a minimum. Eight foot (96") doors have three galvanized hinges, others have two galvanized hinges.

Heavy Duty Handles
Heavy duty handle comes pre-mounted. Can be padlocked.

Two Cover Styles
Twinwall (8mm) or clear(1/16") polycarbonate are riveted and trimmed with aluminum.

Hinged Single Doors

Twinwall

Part #	Size	Qty/Price
4PN0205	**36" x 84"**	**Ea. $455**
4PN0210	**48" x 96"**	**Ea. $490**

Clear

Part #	Size	Qty/Price
4PN0235	**36" x 84"**	**Ea. $519**
4PN0240	**48" x 96"**	**Ea. $545**

Hinged Double Doors

Twinwall

Part #	Size	Qty/Price
4PN0305	**72" x 84"**	**Ea. $795**
4PN0310	**96" x 96"**	**Ea. $875**

Clear

Part #	Size	Qty/Price
4PN0335	**72" x 84"**	**Ea. $850**
4PN0340	**96" x 96"**	**Ea. $998**

Sliding Doors

Single,Twinwall Door

Part #	Size	Qty/Price
4PN0250	**36" x 84"**	**Ea. $267**
4PN0255	**48" x 96"**	**Ea. $303**

Single, Clear Door

Part #	Size	Qty/Price
4PN0280	**36" x 84"**	**Ea. $350**
4PN0285	**48" x 96"**	**Ea. $368**

Double, Twinwall Doors

Part #	Size	Qty/Price
4PN0350	**72" x 84"**	**Ea. $526**
4PN0355	**96" x 96"**	**Ea. $580**

Double, Clear Doors

Part #	Size	Qty/Price
4PN0380	**72" x 84"**	**Ea. $694**
4PN0385	**96" x 96"**	**Ea. $720**

Sliding Door Kits**

Part #	Size/Desc.	Qty/Price
DT1003	**Single, 3 ft.**	**$141**
DT1004	**Single, 4 ft.**	**$180**
DT2006	**Double, 3 ft.**	**$306**
DT2008	**Double, 4 ft.**	**$342**

** Specify door size when ordering.

Hardware

Cross Connector™

Don't drill! Cross-Connect!

Drilling can compromise the safety of your greenhouse frame by reducing its tube strength a full 25%. Jāderloon's® unique, 2-piece, aluminum connector retains 100% of the frame's strength. Comes complete with bolts and nuts. Use it to connect any tubing or pipe in the following sizes. Packed 50 pair per box.

Part #	Size	Price/Pair
3PN0003	**1" x 1"**	**$2.00**
3PN0000	**1-3/8" x 1-3/8"**	**$2.10**
3PN0001	**1-5/8" x 1-3/8"**	**$2.36**
3PN0002	**2" x 1-3/8"**	**$2.70**

Wood Splicer

One person can easily install greenhouse baseboards with this splicer. Fits 2x4's and 2x6's. Galvanized.

*Each splicer requires 6 wood screws.

Part #	Size	Price Each
2FMF0510	**#10 x 1 wood screws**	**$0.19**
3PN0210	**splicer**	**$5.25**

Bench Cross-Clamp

(for 1-3/8 x 1-3/8)

Snap-on ease with solid, secure "vise-edge" grip design. Four point bolt system keeps legs and crosspieces from rotating or slipping. Each bench cross-clamp consist of 2 straps, 4 bolts and 4 nuts.

3PN0230 **$3.40**

Metal Endwall Connector

Connects 1-1/2" or 2" square steel tubing. One angle and 3 screws required per connection.

Part #	Description	Price Each
2PN0010-1	**Brackets**	**$1.45**
2FMF0720	**#14 x 1" screws**	**$0.18**

Endwall Bracket Assembly

For attaching tubing bows to endwall. Available for 2" x 4" wood & 1-1/2" square metal tubing. Assemblies include bracket, brace band, bolt & nut.

Wood End

Part #	Size	Price Each
3PN0170	**Bracket 2"x4" Only**	**$1.40**
5PN0012	**w/1-3/8" Band**	**$2.40**
5PN0010	**w/1-5/8" Band**	**$2.95**

Metal End

Part #	Size	Price Each
3PN0175	**Bracket 1-1/2" Only**	**$1.50**
5PN0017	**w/1-3/8" Band**	**$2.50**
5PN0015	**w/1-5/8" Band**	**$3.05**

Brace Bands

Galvanized steel brace band used for trussing and bracing.

Part #	Size	Price Each
2MS0020	**1-3/8"**	**$0.80 each**
3PN0160 **	**1-5/8" cross br.**	**$1.35 each**
2MS0030	**2"**	**$0.92 each**
2MS0040	**2-3/8"**	**$0.98 each**

** Has additional holes for fasteners where required.

Two-Hole Strap

Part #	Size	Price Each
3PN0220	**fits 1-3/8 " tube**	**$0.65 each**
2EP0020	**fits 1-5/8 " tube**	**$0.67 each**
2EP0030	**fits 2" tube**	**$0.70 each**
2EP0035	**fits 2-3/8 " tube**	**$0.82 each**

Anchors

Jāderloon® anchors are larger than average diameter for added strength.

Part #	Size	Price
3QH0027	**40" x 1.9" x 13GA**	**$19**
3QH0028	**64" x 1.9" x 13GA**	**$28**
3QH1410	**40" x 1.5" x 16GA**	**$16**
3QH1415	**64" x 1.5" x 16GA**	**$24**

Hardware *All nuts, bolts and screws are sold in quantities of 50.

TEK Screws

Stainless steel, drill point, wood screws for use with magnetic drivers. Great for attaching poly clips to wood baseboard.

Part #	Size	Qty/Price
2FMF0510	**#10 x 1”**	**$0.19 each**

Zinc Plated TEK Screws

Part #	Size	Qty/Price
2FMF0610	**#12 x 3/4”**	**$0.11 each**
2FMF0620*	**#12 x 1”**	**$0.23 each**
2FMF0720	**#14 x 1”**	**$0.18 each**
2 FMF0722	**#14 x 2”**	**$0.30 each**

Carriage Bolts

Use where smooth surface is needed or wrench access isn’t possible.

Extra Heavy Zinc & Acrylic Coated

Part #	Size	Qty/Price
2FBC0110	**1/4” - 20 x 1-1/4”**	**$0.08 each**
2FBC0120	**1/4” - 20 x 2”**	**$0.09 each**
2FBC0125	**1/4” - 20 x 2-1/2”**	**$0.10 each**
2FBC0130	**1/4” - 20 x 3”**	**$0.23 each**
2FBC0135	**1/4” - 20 x 3-1/2”**	**$0.26 each**

Extra Heavy Zinc Plated

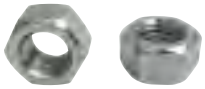
Part #	Size	Qty/Price
2FBC0140	**1/4” - 20 x 4”**	**$0.13 each**
2FBC0230	**5/16” - 18 x 1-1/2”**	**$0.11 each**
2FBC0240	**5/16” - 18 x 2-1/4”**	**$0.14 each**

Hex Bolts

Zinc plated, flat, trimmed head, high-quality, finished appearance.

Part #	Size	Qty/Price
2FBH0030	**1/4”-20 x 1”**	**$0.11 each**
2FBH0050	**1/4”-20 x 1-1/2”**	**$0.15 each**
2FBH0110	**5/16”- 18 x 2-1/4”**	**$0.28 each**
2FBH0130	**5/16”- 18 x 3-1/4”**	**$0.38 each**

Hex Nuts



Extra Heavy Zinc Plated for greenhouse use.

Part #	Size	Qty/Price
2FNH0020	**1/4” - 20**	**$0.05 each**
2FNH0090	**5/16” - 18**	**$0.09 each**

Standard Zinc Plated Hex Nuts

Part #	Size	Qty/Price
2FNH0040	**3/8” - 16**	**$0.09 each**
2FNH0050	**1/2” - 13**	**$0.15 each**

Jāderloon® Tools

Rollox Kwic-Klip™ Tools

for Gutterhouse Use Only.

Twice as fast as any other clip system! Two men can install 100 ft. of Kwic-Klip™ in less than 5 minutes with the Rollox Installer!

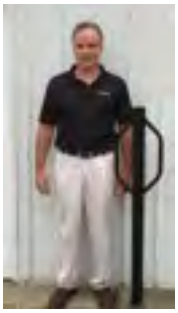
Part #	Description	Price
4GH0020	**Installer**	**$128**
4GH0010	**Remover**	**$28**

Anchor Driver

Drive anchors without damaging your anchor pipe. Installs up to 13 Ga. pipe. Used with a sledge hammer.

Part #	Size	Price
2BP0010	**1-3/8”**	**$38**
2QH0010	**1-1/2” and 1-5/8”**	**$42**
2QH0030	**1.9”**	**$41**

Column Driver



Durable, efficient, fast tool for all column or post driving. Fits posts up to 2-1/2” diameter.

4GH0030 $160.00

Magnetic Driver

Used to install TEK screws (see hardware pg.)

Part #	Description	Price
2MS0110	**5/16” Driver**	**$7.50**
2MS0120	**3/8” Driver**	**$5.70**

Palmetto Roof Vent

James Greenhouse
Colbert, GA

Shown with Palmetto Roof Vents, Roll-Up Curtain Walls and Sidewinder Curtains

Shown with Palmetto Vent and polycarbonate endwalls

For more than 100 years, ridge and sidewall convection ventilation has been recognized by greenhouse growers as the best, most cost effective way to control greenhouse temperatures.

Natural convection brings cooler air in the sides while warmer air escapes through the roof vent. Jāderloon's® Palmetto Roof Vent opens a vast amount of the roof to allow maximum air flow while Roll-Up Sidewalls can open virtually 100% of the walls.

There's no better way to beat the heat than Jāderloon's® Palmetto roof vent combined with sidewall curtains.

Palmetto Roof Vent Features:

- Opens 35% of roof area for maximum air flow.
- Can be linked to side curtains for completely automated, unified ventilation control.
- Controller is designed to open vent at desired rate on thermostat demand.
- Low cost installation and operation.
- Rack & pinion lifts at each rib (bow) for maximum strength and rigidity.
- Positive sealing vent extrusions with Kwic-Klip™ base molded in.
- Outer edge of vent extrusion molded for shade cloth eyebolt attachment.

Roll-Up Curtain Walls

The Jāderloon® roll-up curtain walls can be custom fitted to match individual requirements. Combined with the Palmetto Roof Vent system, they make one of the best passive ventilation systems available. Virtually 100% of the walls open for total air circulation.

Jāderloon's® unique drive system places the curtain drive pipe in the center of the curtain rather than the bottom when the curtain is closed.

To open the curtain, the drive pipe moves upward with the top and bottom sections wrapping around it.

This system keeps the motor away from moisture and other contaminants near the ground. The mid-mount also reduces the amount of motor travel by 50%.

Curtains may be motorized or manually controlled. It is possible to mount the motor at either the end or the middle of the drive pipe. Motor and drive pipe ends are covered with a vertical skirt outside.

Rollup curtain polycarbonate endseals:

Polycarbonate endseals may be covered with either 8mm twinwall or corrugated polycarbonate. Polycarbonate end seals are 4' wide x curtain height and are reinforced with 1-1/2" sq. x 16 ga. galvanized steel tube. There is a flexible vinyl flashing along the edge open to the curtain which creates a positive seal.

Metal curtain retainers:

Metal curtain retainers are 1-1/2" sq. x 16 ga. galvanized steel tube spanning the height of the curtain. The retainers are spaced not more than 12' apart for protection against high winds. They are easily removed for replacement of curtain material.

Sidewinder Curtain

The Sidewinder Curtain is an inexpensive rollup curtain for the sides of Jāderloon® Freestanding Greenhouses.

The design incorporates the standard roof film into the curtain so that additional curtain material is not required.

The curtain is operated manually from outside the greenhouse using a properly sized gear crank and vertical travel bar and rolling assembly.

A 1.315 x 18 ga. roller pipe is attached to the polyethylene curtain with a continuous aluminum extrusion screwed to the pipe and polyethylene sandwiched between.

The Sidewinder is available in lengths up to 200 ft.

Assembly required

Carolina Cooler™

Carolina Cooler™ Evaporative Cooling System

Beats The Heat For Superior Plant Growth!

Evaporative cooling is the most cost effective method for cooling a greenhouse. High volume, water-saturated air movement reduces air temperature for a healthier growing atmosphere.

Air volume movement is critical to proper operation of any evaporative cooler. Our experienced representatives can properly size fans and coolers for maximum cooling efficiency.

Too little air flow from undersized fans negates the value of the best evaporative cooler. Proper air movement is a must not only through the cooling media but also throughout the greenhouse.

Carolina Cooler™ 6 inch cooling pads use 33% less wall space than some 4 inch pads used for the same cooling capacity.

Features:

- Keeps greenhouses cool in the hottest climates.
- Less shading required to maintain cooler temperatures. More light means faster, stronger growth.
- Reduces watering due to elevated humidity created by evaporation from the cooling pads
- Moist, corrugated, cooling media cleans air as it enters greenhouse.
- Life-time, all-aluminum construction
- Anti-drip design minimizes water loss
- Trouble-free, clog resistant media
- Easily assembled to endwall with no extra support needed
- 6 inch pads use 33% less wall space than 4 inch pads for same cooling capacity
- Stainless Steel Fasteners

Approximate air temperature drop across Carolina Cooler™ (6 inch media) during July with a properly sized ventilation system.

Keep Your Cool With Carolina Cooler™!

Carolina Cooler™

Carolina Cooler™ Standard Sizes

Custom lengths available up to 150 ft. Prices subject to change. Assembly required.

	Width			
Height	12 ft.	15 ft.	20 ft.	25 ft.
2 ft.	**$1,509**	**$1,678**	**$1,958**	**$2,310**
3 ft.	**$1,526**	**$1,695**	**$1,965**	**$2,327**
4 ft.	**$1,615**	**$1,811**	**$2,137**	**$2,535**
5 ft.	**$1,728**	**$1,952**	**$2,323**	**$2,767**
6 ft.	**$1,840**	**$2,091**	**$2,508**	**$2,906**

Cooling System Pumps

Submersible Pumps

Part #	Description	Price
2EQ0145	**1/4 HP**	**$284**
2EQ0150	**1/3 HP**	**$558**

Close-Coupled Centrifugal Pumps

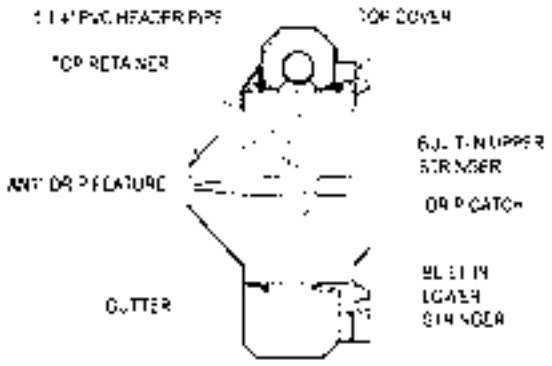
Part #	Description	Price
2EQ0110	**1/2 HP**	**$1,034**
2EQ0120	**3/4 HP**	**$1,046**
2EQ0130	**1-1/2 HP**	**$1,461.25**
2EQ0100	**2 HP**	**$1,482**

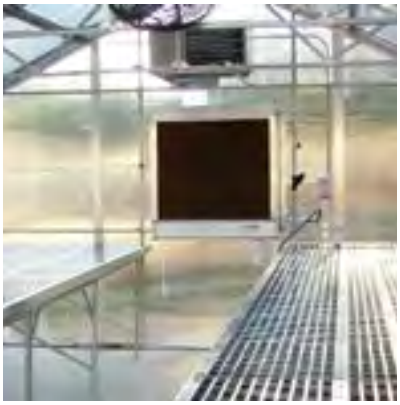
Corrugated Cooling Media

*60" and 72" 4 inch pads require tall pad supports $4.50 per pad

Part #	Description	Price
2MS04242	**24" x 12" x 4"**	**$17.50**
2MS04362	**36" x 12" x 4"**	**$17.50**
2MS04482	**48" x 12" x 4"**	**$23**
***2MS04602**	**60" x 12" x 4"**	**$29**
***2MS04722**	**72" x 12" x 4"**	**$38**
2MS06242	**24" x 12" x 6"**	**$26**
2MS06362	**36" x 12" x 6"**	**$26**
2MS06482	**48" x 12" x 6"**	**$35**
2MS06602	**60" x 12" x 6"**	**$43**
2MS06722	**72" x 12" x 6"**	**$52**

Carolina Cooler™ 6 inch cooling pads use 33% less wall space than some 4 inch pads used for the same cooling capacity.





Micro-Cooler $1,070

The Micro-Cooler is a miniature version of the famous Carolina Cooler™. It is sized for an average hobby greenhouse. The Micro-Cooler is coupled with a small aluminum inlet shutter and is spaced off the wall to allow room for the shutter motor to operate between them. The complete plumbing system is also sized to match the requirements of the Micro-Cooler.

Jāderloon® Versa-Vent

Jāderloon® Versa-Vent Automatic Ventilation System

Versa-Vent is one of the most efficient ways to bring large volumes of air into a greenhouse.

Thermostatic controls allow it to be coupled with roof vents, sidewall curtains, fans, coolers and more for automatic cooling control. Coupled to computerized systems, it becomes part of the total environmental control system.

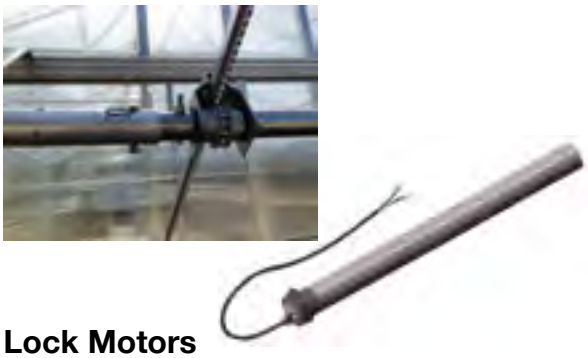
It's built with extra strength to withstand heavy wind loads when open. All mechanical parts subject to friction wear during cycles are engineered for extra durability. Versa-Vent comes complete with all hardware, ready for bolt together assembly.

Versa-Vent can be covered with twinwall or corrugated polycarbonate or double polyethylene film. The base for the Kwic-Klip™ film fastening system is molded into the vent door extrusion for easy film attachment. There's no need to install separate pipe supports outside the greenhouse, as with other automatic vent systems.

Versa-Vent is powered by either a Lock tube motor or a Lock motor/ gearbox assembly. Both types of units have built-in limit controls to stop the vent at the perfect position in either the open or close direction. The Lock tube motor is used on smaller Versa-vents but the size vent that the larger Lock gearboxes can operate is unlimited. Assembly required.

Height	Length			
	12ft	15ft	20ft	25ft
2ft	**$1,640**	**$1,673**	**$1,885**	**$1,981**
3ft	**$1,686**	**$1,720**	**$1,943**	**$2,042**
4ft	**$1,705**	**$1,741**	**$1,967**	**$2,077**
5ft	**$1,736**	**$1,763**	**$2,0027**	**$2,105**
6ft	**$1,769**	**$1,807**	**$2,044**	**$2,150**

Other lengths are available. 100 ft. is the maximum length recommended per drive motor. Prices above include drive motor and Kwic-Klip™ to plastic. Polycover included in above prices. If you prefer polycarbonate, please call for quote. Versa-Vent weighs approximately 7lbs/lin.ft.



Lock Motors

Compact and lightweight design with maintenance free noiseless gear unit. Reversible drive motor with watertight and corrosion resistant limit switch system for up to 40 revolutions in each direction. Motor has standard 4.0m UV resistant electric cord. Equipped with a 50mm x 1.5mm thick aluminum sleeve for drive attachment and a 10mm x 10mm sq. journal shaft for anchoring with cotter pin fastening.

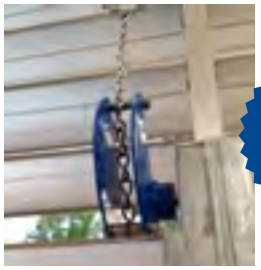
4PVLOCK **$782**

Elero Box 5 Vent Motor

2EQ0473	120 volt	**$647**
2EQ0475	220 volt	**$647**

Quietaire Fans & Shutters

Model No.	A	B	C	Wall Opening	
				H	W
AGCS 24	28-1/4	28-3/8	26	29-1/2	28-3/4
AGCS 30	34-1/4	29-3/4	35-1/8	25-5/8	34-3/4
AGCS 36	40-1/4	31-1/4	41-3/8	42	40-3/4
AGCS 42	46-1/4	37-7/8	47-5/8	48-1/4	46-3/4
AGCS 48	52-1/4	35	53-3/4	54-1/4	52-3/4
AGCS 56	62-1/4	42	64-1/4	64-3/4	62-1/2



NEW!

Louver Lifter™

The Louver Lifter™ is The Greenhouse Company's most recent innovation towards better greenhouse ventilation. The dual force lever arm is capable of pulling louvers open against the partial vacuum created by the exhaust fans. Once the louver is open less pressure is applied to avoid any possible damage to louver or linkages.

4EQ0115	**Shutter Motor and Louver Lifter Kit**	**$142**
4EQ0100	**Louver Lifter**	**$41**
4EQ0110	**Louver Hardware Package**	**$21**

Quietaire

Economical, Practical, Effective

The six-bladed propeller with high efficiency design produces more CFM/WATT at lower RPM. These fans are constructed of heavy gauge, die formed galvanized steel and have deep spun orifice. Tubular bearing and motor supports are welded to the frame for a strong unitized construction. Angle Flow shutter guard is mounted to the shutter.

Features and Accessories:

- Galvanized construction
- Quiet operation at RPM
- Dust, dirt and moisture proof bearings
- High efficiency, heavy duty, totally enclosed motors have a low operating cost
- All aluminum gravity or motor operated dampers
- Wall box completely assembled ready for installation and wiring

Type Greenhouse Fan Performance Data

Model	Blade	Motor HP	RPM	CFM .05SP	CFM .10SP
AGCS2433	24"	1/3	634	5350	5021
2450		1/2	734	6290	6006
2475		3/4	834	7220	6970
AGCS3033	30"	1/3	440	6274	5569
3050		1/2	509	7412	6956
3075		3/4	578	8534	8131
AGCS3633	36"	1/3	366	8677	7583
3650		1/2	424	10308	9553
3675		3/4	482	11911	11253
36100		1	540	13494	12907
AGCS4233	42"	1/3	300	10426	8755
4250		1/2	247	12384	11290
4275		3/4	394	14307	13460
42100		1	442	16245	15490
42150		1-1/2	500	18751	17901
42200		2	565	21150	20557
AGCS4850	48"	1/2	278	15698	14166
4875		3/4	321	18180	16989
48100		1	352	20628	19563
48150		1-1/2	406	23473	22527
48200		2	456	26222	25355
AGCS56100	56"	1	243	24300	21400
56150		1-1/2	278	28500	26500
56200		2	306	32900	30300

Shade House

The Jāderloon® Shade House

Provides protection from direct sun where natural shade is not available.

- Available in 8’ to 14’ height
- Various widths and lengths available to fit your needs
- The Jāderloon® Shade House is constructed using 2.375 diameter x 13 ga. galvanized steel columns.
- Each row of columns is braced by 1.66 diameter x 14 ga. galvanized steel deadmen at both ends.
- The corners of each shade house have 2 deadman braces each. 1/4”-1 x 7 galvanized cable is fastened to each end column with heavy duty utility company hardware.
- The cable passes through each intermediate column and is tensioned and fastened at the opposite end.
- Shade Cloth is supported by and fastened to the resulting cable grid.

Call your representative for more information.

Shade Cloth

Shade Cloth

Tough, lightweight, UV resistant, heat retardant... everything you want in a greenhouse shade cloth!

Made to your specific dimensions, shade covers are an easy way to reach the right light levels for your plants. Rugged and durable covers are easy to put on and take off. Can be used seasonally or year round.

Woven Shade Fabrics

- Made of high U.V. resistant, black polypropylene.
- Longevity, strength, and resistance to abrasion virtually.
- Available in shade factors of 30%, 47%, 55%, 63%, 73%, %, and 95%.
- Taped to your requirements.
- Grommets are optional and available to meet your spacing needs.

Knit Shade Fabrics

- Available in a variety of shade factors.
- Available in White, Green, Black, Terra Cotta, Sandalwood, and Brown.

Insect Screens

Keeps the bugs out! Mesh sizes to control everything from thrips to bees. Be sure to check air flow requirements before using as screening reduces air movement.

Jādershade™

Shade For Summer Cooling - Energy Savings for Winter

The Jādershade™ System is a cable driven flat truss-to-truss sliding shade and heat retention system. The system is powered by a gear motor driven 2.375" x 14 ga. shaft supported at each column and in between the bay span. Each truss to truss section of shade is attached to cables driven back and forth by the drive shaft. These cables are spaced a maximum of 10' apart.

The leading edge of shade is attached to a 1/2" galv. steel tube for rigidity. Snap on connectors secure shade material to leading edge and to upper and lower monofilaments.

The shade material is supported by 2.08mm diameter monofilament on approximately 18" centers. There are also monofilaments above the shade material spaced on 3' centers.

Monofilaments are supported at every column/truss spacing by .080" diameter galv. steel cross wires. Upper and lower monofilaments are held 2" apart by snap on spacers. All cables and monofilaments are supported at each end of the structure by a continuous run of 2" sq. x 15 ga. tubing suspended off the ends of the structure.

Jādershade™ can be utilized with Harmony, Luxous, Obscura and other screens to create the optimum environment desired.

Call For Quote

Specialty Climate Screens

Make sure to get the most of your climate screens. A better climate will improve the conditions for your plants and your business.

Only a rational application of Svensson climate screens will bring you the expected benefits, such as greater yields, higher quality and lower energy costs.

Harmony
The Harmonious approach to better growing

Healthier plants and accelerated production – this is the result of Harmony's gentle approach to managing sunlight. Its white strips simply scatter sunlight more effectively. To further improve cooling, many Harmony screens have an open structure.

Luxous
The brightest energy saver

Luxous lets the most daylight reach the crop while saving energy and improving the greenhouse climate. Its translucent strips and closed structure are effective when in use, but also when not in use – as bundle sizes are unusually small.

Obscura
Precious sleep for plants – or neighbours

Double layered Obscura screens provide the total blackout needed to manage plants that need a shorter day than daylight hours allow. Single layer Obscura is used with supplemental lighting for plants that need additional light. It keeps the light inside the greenhouse for maximum effect – and restricts the light from disturbing neighbours.

Solaro
The best shading money can buy

Solaro has a highly reflective quality and an open structure ideal for ventilation. But unlike natural cloud cover, it can be put to use whenever it's needed. This makes it ideal for shading in hot climates or simply to manage more sensitive plants

Tempa
The single greatest energy saver

Tempa uses aluminum strips in a closed structure to bring the greatest energy savings of all. But it also doubles as an effective shading screen when needed. This dual functionality makes it ideal as a single screen solution or where needs are often changing.

Jāderloon® Uni-Flo™ HAF fans

Horizontal Air Flow (HAF) fans make greenhouse heating and cooling more effective by evening out temperatures throughout the structure.

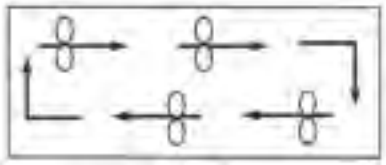
Gentle but high volume air circulation eliminates hot and cold spots. The objective is a smooth flowing mass of air circulating throughout the greenhouse.

For maximum performance, HAF fans should have large diameter blades with a low pitch to move a large volume of air with minimal turbulence.

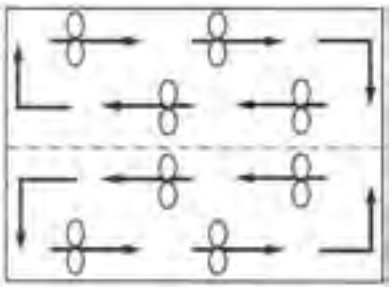
High speed fans with sharply pitched blades create excessive blade tip turbulence and sacrifice volume air movement for air speed near the fan.

HAF fans eliminate air stratification, equalize temperatures, reduce condensation and improve carbon dioxide utilization at about half the cost of jet fans and polytubes.

Single Greenhouse



Multiple Wide Greenhouse



Uni-Flo™ Features:

- Totally enclosed, ultra high efficiency motor with built-in thermal protection and self-aligning sleeve bearings.
- Stamped aluminum 20” blade with vinyl coated, OSHA blade guard.

Uni-Flo™ 2000

1/15 HP, 100W motor (115V or 220V) 2000 CFM, 1400 RPM, totally enclosed, permanent split capacitor. Uses the energy of one 100 Watt light bulb. Moves 20 CFM per Watt.

- 120 Pitch blades for smooth air flow.

Part #	Description	Price
4EQ0020	**2000 CFM 120V**	**$198.50**

No Oil No Maintenance Motors*

*These motors are interchangeable and equivalent to motors requiring maintenance.

Motor is totally enclosed with sealed ball bearings.

Part #	Description	Price
2EQ0030	**110 Volt**	**$69.50**

SEP Series, High Efficiency

Available 100,000 BTU - 400,000 BTU

Features/Benefits:

Efficiency - The SEP series gas-fired propeller unit heaters deliver 80% thermal efficiency and 78% seasonal efficiency using natural gas or propane in all models.

Power Exhaust - Sealed flue collector and a power exhaust system enables conventional vertical venting or horizontal venting up to 35ft. Power exhaust, when used with horizontal venting, lowers operating cost because it reduces stack losses.

Tubular Heat Exchangers - Constructed of aluminized steel for superior resistance to corrosion and oxidation. The curving design provides for complete exposure of the heating surface to the supply air stream. Rounded surfaces minimize air resistance and permit air to surround all heat transfer surfaces for excellent heat transfer.

Direct Spark Ignition - Combined with the 24-volt main gas valve with 100% shutoff for safety, the direct spark ignition control provides positive, reliable and safe main burner ignition. This eliminates the need for a pilot light, improving system efficiency and reliability.

Air Distribution - Equipped with efficient, quiet, direct-drive propeller fans, which are dynamically balanced for quiet, smooth operation.

Reliability - The design of this unit heater has proven itself to be superior during the fourteen years and hundreds of thousands of hours of tough winter climate and laboratory life cycle testing under extreme conditions. The SEP has been designed to provide a long, trouble- free service life.

Inshot Burners - Lightweight aluminized steel burners are maintenance-free and never require adjustment. The entire burner assembly is removable as one piece for ease of service.

Standard Features:

- Power Vented
- Spark Ignition
- 115-volt motor with internal overload protection
- Full safety fan guard
- Horizontal directional louvers
- 2-point thread hanger connections
- Tubular Heat Exchanger
- Shot Burn Design

FSA Cayenne Unit Heater

Available 30,000 BTU - 75,000 BTU

Economical heating where a low profile is preferred.

Inshot burner assembly is easy to clean and won't rust like ribbon-type burners. Direct-spark ignition lights the burners directly, eliminating pilot outages.

Tubular heat exchanger eliminates metal stresses and cracking that can occur in clamshell heat exchangers.

Self diagnostic board with indicator lights.

Vent Pipe Kit

Double walled. galvanized

Part #	Model	Size	Price
2VP1750	**FSA-30 - FSA-45**	**3**	**$155**
2VP1760	**FSA-60 - SEP-145A**	**4**	**$172**
2VP1770	**SEP-175A - SEP-300A**	**5**	**$204**
2VP1780	**SEP-345A - SEP-400A**	**6**	**$227**

Heater Hanger Assembly

Distributes heater weight over two separate bows rather than one. Allows placing at best distance from endwall.

Part #	Bow Space	Price
5PN0050L4	**3 ft. bow sp.**	**$118**
5PN0051L4	**4 ft. bow sp.**	**$130**
5PN0052L4	**8 ft.column sp. 5 ft. bow sp.**	**$146**
5PN0048L4	**6 ft. bow sp. 12 ft. column sp.**	**$155**

Thermostats, Sensaphone & Accessories

TLC Thermostatic Logic Controller

A simpler way to control your greenhouse. The TLC has 5 cooling stages allowing for the opening of vents or curtains at an intermediate stage between low and high speeds on two-speed fans to reduce vent cycles and extend vent motor life.

Operational Stages:

Stage 1: Cooling. Low speed on 2-speed fan, shutter open.
Stage 2: Cooling. Vent/Curtains Open
Stage 3: Cooling. Shutter closed, two-speed fan on high.
Stage 4: 1-speed fan on, HAF fans off.
Stage 5: Evaporative cooling on.
Heat Stage: Heater on.

Part #	Description	Price
4EQ0050	**One Heater**	**$794**
4EQ0055	**Two Heaters**	**$871**

Thermostats

Single stage thermostats (SPDT) are used for line voltage or low voltage control of fans and heaters.

Two-stage thermostats (2-SPDT) are used for the control of two-speed fans or two stages of heating or cooling.

Part #	Description	Price
2EQ0000	**Single Stage**	**$81**
2EQ0010	**Two-Stage**	**$130**

Sensaphone 1800

The Sensaphone 1800 system remotely monitors greenhouses to prevent loss of valuable plant assets. The system is a simple, convenient, cost-effective solution ideal for smaller greenhouse operators, commercial growers and retailers.

- Rugged, weatherproof NEMA-4X enclosure protects from harsh environments
- Receive voice alerts and alarm notifications over standard telephone lines
- Notifies up to eight people by voice phone call in the event of an alarm

Sensaphone Express II

The Sensaphone Express II system remotely monitors greenhouses to prevent loss of valuable plant assets. The system is ideal for larger greenhouse operations that require many monitoring points or are considering future growth because it is expandable to include up to 40 channels.

- Allows for future expansion with up to 40 total inputs and up to 16 output zones
- Receive voice alerts and alarm notifications over standard telephone lines
- Notifies up to 48 people by voice phone call in the event of an alarm
- Increase monitoring capability with easy-to-install expansion input and output cards

Sensaphone Sentinel

The system is ideal for greenhouse operators, commercial growers and retailers. It can also deliver daily event reports. Users can access information and make system changes from any web-enabled device or mobile app.

- Receive alarm notifications through a cellular connection
- Notifies an unlimited number of people by e-mail, text message or voice phone calls in the event of an alarm
- Up to twelve external sensors monitor temperature, humidity, water and more

Advanced Controller Systems

Greenhouse Command Center

NEW!

The Greenhouse Command Center is designed to operate all the equipment required to ventilate, cool, and heat a single zone greenhouse. It can operate two exhaust fans one of which can be a two speed fan, a louver for first stage ventilation, a motorized vent for maximum ventilation, an evaporative cooling system, circulation fans, and up to two heaters.

The Greenhouse Command Center operates 5 stages of cooling and a single stage of heating. It is a pre-wired controller with a numbered terminal strip for all connections. The controller package includes all programming, layout, and wiring information. However, for convenience, the system is pre-programmed so it is fully functional as soon as it is initialized

The system is programmed with a logical progression of equipment staging so that no equipment operates unnecessarily. The naturally aspirated shielded temperature sensor is located in a forward quadrant rather than centrally located to further reduce unnecessary cycling of equipment.

Features

- All stages pre-programmed for the users convenience.
- 5 stages of cooling and 1 stage of heating.
- First stage fan may be single speed or two speed.
- All components enclosed and protected in a NEMA12 panel box.
- Keeps motorized vent open one extra stage on cool down to further dry evaporative cooling pads.
- Temperature sensor supplied with 50ft cable for remote mounting.

Call The Greenhouse Company today for a solution that suits your requirements and budget.

Part #	Price
4EQ0070	**$1,975**

Link4 Controls
iGrow 100 Series

Get real-time energy use and track run time on greenhouse heating and cooling equipment with this easy -to-use, entry level advanced controller system. The iGrow 100 SeriesTM offers four (400 Model) or eight (800 Model) different outputs for fans, heaters, vents, shade curtains, and other equipment.

- Peace of Mind with Instant Remote Access from anywhere in the world
- Increase Profit with Money Saving electric bill Tracking

iGrow 1400™

With the iGrow 1400™ , you have total control of your greenhouse operations at your fingertips. Advanced multizone features make this the perfect controller for all your greenhouse needs. iGrow 1400™ has 12 outputs - expandable to 48.

Wadsworth Control Systems
EnviroSTEP

Wadsworth designed this advanced integrated controller to offer flexibility, functionality and a friendly user interface.

- Single zone control can connect up to 100 zones
- New and improved back lit LED screen
- 4 analog outputs (0 to 10VDC) to control variable-speed fans and modulating valves
- 3 setpoint periods – day, night and DIF
- 12 relay outputs with manual override switches

Contact The Greenhouse Company for information on other Wadsworth Controls.

Call The Greenhouse Company today for a solution that suits your requirements and budget.

Irrigation Systems

Irrigation Systems
The Greenhouse Company offers irrigation for all your growing needs. Irrigation kits are designed for any size production or retail setting. Hanging basket, mist and drip irrigation kits available. Easily installed and designed to fit your needs.

Contact The Greenhouse Company today for a quote. 1-800-258-7171

Fertilizer Injectors

DEMA MixRite Water Driven Injectors **Other Models Available - Please Inquire**

MixRite TF 3
Designed for low to medium water flow for fertigation, pesticide and other in-line additives.

- Waterflow up to 14 GPM and as low as .08 GPM.
- 1" MPT threaded connection
- .3% to 2% injection rates

2EZ0569 $471

MiniDos 2.5%
Patented internal mixing chamber that promotes homogeneous mixing while segregating.

- Waterflow up to 12 GPM and as low as .03 GPM.
- 1" MPT threaded connection
- .5% to 2.5% injection rates

2EQ0567 $524

Kwic-Trip™ Trolleys

The Kwic-Trip™Trolley System is a time-saver, money-maker that truly speeds up the movement and handling of plants.

The monorail track provides smooth movement through and between greenhouses no matter how rough the ground below may be or how narrow your greenhouse aisles.

Hook a group of trolleys together for train-like carrying capacity and efficiency.

The system consists of a tubing monorail and aluminum hanging carts with roller heads. Two-way and three-way switches and a variety of available curves let you design the system to completely match your plant handling requirements. Three shelf styles are available to handle everything from pots to flats to cut flowers. There are a variety of heights, shelf widths and shelf counts available. Standard cart length is four feet.

Part #	Description	Price Each
	Shelf Units Call For Quote	
2MS2410	Stiff Arm Rail Support	**$25**
2MS0330	C-Bracket only	**$9**
	Trolley Heads	
2MS0310	with Nylon roller	**$18.50**
2MS0320	with Nylon roller & pendant	**$23**
2MS0315	with steel roller	**$23**
2MS0325	with steel roller & pendant	**$24**
1TPR1315.14	21 ft., 1.315" x 14GA rail	**$34**
3KT0070	68 degree rail bend	**$17**
3KT0060	90 degree rail bend	**$23**
2MS0850	Rail End Stop	**$6**
2MS0855	Rail Splicer	**$5**

Jāderloon® Greenhouse Benches

Make the maximum use of your growing space with Jāderloon® three types of greenhouse benches: stationary, rolling and free standing. All Jāderloon® benches are made with a galvanized steel frame, an aluminum F-bar with 1 inch support bars spaced 2 ft. on center for maximum strength, and heavy gauge expanded metal. Assembly required.

Stationary benches are designed to allow for the aisle width desired for your particular use.

Rolling benches allow you to maximize your bench area while retaining accessibility with one “moving aisle”.

Stationary and rolling benches are permanently mounted to the greenhouse floor.

Free standing benches allow you to change your bench arrangement as your needs change.

Suggested Bench Combination for “The Package”

(Greenhouse Area: 2,660 sq. ft.)

One 25” Aisle -
Bench Area: 2,265 sq. ft.
Aisle Area: 395 sq. ft.
Benches Needed:
Two 4’ x 94’ stationary sidewall benches
One 5’ x 89’ rolling benches
Two 6’ x 89’ rolling benches

Choose the bench style that best suits your needs or use a combination of all three styles.

Call for Pricing

Freestanding Benches

	Expanded Metal Top		DuraBench Top	
4’x8’	FB4008	$223	FB4008D	$285
4’x10’	FB4010	$288	FB4010D	$367
4’x12’	FB4012	$322	FB4012D	$420
4’x20’	FB4020	$534	FB4020D	$696
6’x8’	FB6008	$272		
6’x10’	FB6010	$349	N/A	
6’x12’	FB6012	$395		
6’x20’	FB6020	$655		

Metal Buildings

Our pre-engineered galvanized steel construction allow our customers to have a strong and durable structure at a cost that meets their “budget”. Widths are available from 12’ wide to 42’ wide. Benefits of complete steel structure are virtually maintenance free, can be engineered for high wind and snow loads, non-combustible and generally cost less to insure.

Commander Series

The commander series metal buildings are designed with ease of construction in mind. These structures set the standard for code approved buildings and can be customized to meet your needs. 2” x 4” 13GA and 2” square trusses are spaced 6’ apart.

Features

- Widths from 12’ - 30’ wide
- Length in increments of 6’
- Roof pitch available in 4:12 or 6:12
- Galvanized framework includes hardware
- 8’ sidewall height
- 30lb snow load; 90 mph wind exposure (higher loads available)
- Post in ground or bus plate design.

Brigadier Series

The brigadier series structure leads the way with construction flexibility and strength in its design. Constructed with 4” square 13GA galvanized posts and trusses on 12’ spacing. Jāderloon® can provide a building that meets your needs.

Features

- Widths from 18’ - 42’ wide
- Increments of 12’
- Roof pitch of 4:12 or 6:12
- Galvanized framework with hardware
- 8’ - 14’ sidewall height
- 37.5 lb snowload; 90 mph wind exposure
- Post in ground or base plate design.

Call your sales representative for a quote today.

(800) 258-7171

Installation By: The Greenhouse Company

Benefits of having your project installed by The Greenhouse Company:

- Over 40 years of experience
- The Greenhouse Company supervises all installation jobs
- Using installation crews will allow you to continue to handle your day to day activities while your greenhouse is being installed
- Professional job along with construction to The Greenhouse Company specifications

Carolina Cooler™ Maintenance

Pads

Pads are made from treated cellulose material.

The pads must be allowed to dry out completely every day.

Should you experience an algae buildup on your pads, add an algicide such as bleach or chlorine tablets to your reservoir. Maintain a Ph of 5.5 to 8.5 in your reservoir.

Bugs, airborne trash, etc., should be cleaned from the surface of the pads at the beginning of each cooling season. A regular household broom has approximately the correct stiffness.

Plumbing

The “Y” strainer should be cleaned thoroughly at the beginning of the cooling season. In areas with an above average amount of wind blown particles the strainer may need to be cleaned more frequently.

Even though the “Y” strainer will remove most waterborne particles, occasionally a hole will clog in the header pipe causing a dry streak down the pad. Remove the cover and use a small wire to clean the hole.

The header pipe should be flushed out at the beginning of each cooling season by removing the pipe plug at the end of the header and operating the system.

Pump & Reservoir

The reservoir and pump should be cleaned at the beginning of each cooling season and filled with clear water.

The reservoir will need to be cleaned more often in areas with lots of wind blown particles (dirt, etc). If a magnetic field generator is used on the system to remove or prevent calcium deposits on the pads, the system will need cleaning more often to remove calcium sediment.

Gas Heater Service Check List

Be Sure To Do The Following Preventive Maintenance Before Starting Your Heaters Each Fall

1. Turn gas and electrical service off before servicing unit.

2. Inspect the flue pipe and vent cap for holes or blockage. Make sure all joints are tight.

3. Check draft diverter opening in the top of the heater for blockage.

4. Inspect exterior of heat exchanger for holes and cracks.

5. Unscrew bottom pan, hinge down and remove. Remove pilot assembly. Unscrew burner rack retaining plate and alignment guide. Hinge down burners.

   A. Inspect burners for blockage: insect nests, rust build-up, webs, cocoons.

   B. Look into interior of heat exchanger tubes and check for holes, cracks and blockages (webs, nests, flaking rust, cocoons).

   C. Check burner and pilot orifices for blockages from insect nests.

6. Inspect all wiring for cracked insulation and loose connections.

7. Replace all cracked or worn wiring.

8. Clean out all blockages with compressed air or soft bristled brush. Be careful not to damage burner or orifice openings. Do not use sharp, hard or rough tools for this cleaning.

9. Reinstall burner rack.

10. Reattach retaining plate and alignment guide.

11. Reattach pilot and bottom pan.

12. Blow or wipe dust and dirt off of fan blades and motor.

13. Turn on gas and electrical service.

14. Check for gas leaks at joints with liquid soap. If bubbles are found, tighten gas connections and test again with liquid soap. Continue until no bubbles appear.

15. Make sure pilot light is working.

16. Adjust thermostat to start heater.

17. Allow heater to run through a complete cycle to check normal operation of burners, fans, venting and shutdown.

18. If a problem occurs, refer to the trouble-shooting guide in the installation form shipped with your heater.

19. Repairs should be made only by qualified service personnel.

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Directions

The Greenhouse Company of South Carolina, LLC
161 Green Pines Rd
Columbia, SC 29212

From Spartanburg

Take I-26 toward Columbia. Exit Piney Grove Rd (exit 104) turn right onto Piney Grove Rd. Go all the way to the end of Piney Grove Rd. At light turn right onto St Andrews Rd get in the far left lane. At light, turn left onto Old Bush River Rd. Go approx one mile turn right on Green Pines Rd. Go two tenths of a mile. The Greenhouse Company is on the left.

From Columbia & Augusta

Take I-26 toward Spartanburg. Exit Piney Grove Rd (exit 104) turn left onto Piney Grove Rd. Go all the way to the end of Piney Grove Rd. At light turn right onto St Andrews Rd get in the far left lane. At light turn left onto Old Bush River Rd. Go approx one mile turn right on Green Pines Rd. Go two tenths of a mile. The Greenhouse Company is on the left.

1-800-258-7171
TheGreenhouseCompany.net

Terms, Conditions & Warranty

The Greenhouse Company's Terms and Conditions

Payment: Payment should accompany all orders. You may pay by check, cash, credit card.

Pricing: Every effort is made to hold prices between catalog editions. Price changes can occur due to cost increases beyond our control. Prices should be confirmed when your order is placed. All prices FOB shipping point.

Delivery: We will ship your order the most efficient and economical way possible.

If any delays in delivery occur, The Greenhouse Company of South Carolina, LLC. cannot be responsible for any delay, loss or damage caused by our suppliers or conditions beyond our control. The Greenhouse Company of South Carolina, LLC. relinquishes all responsibility for merchandise once the carrier has accepted the shipment. Any claim settlements would be between you and the delivering carrier.

You are responsible for receiving and unloading the shipments. Please inspect your merchandise carefully upon receipt. Mark any noticeable damage or shortages on the freight bill upon delivery. Freight claims cannot be filed unless the bill of lading is marked with damages or shortages. You are responsible for filing freight claims and you will be billed for replacement materials. It is the freight company's obligation to reimburse you for damaged or missing items on your claim. Concealed or hidden damages must be reported to the shipping company within 5 days of delivery.

Returns: No merchandise may be returned without authorization from our Customer Service Department. Refunds will not include original freight charge and customer is responsible for return freight charge. Returned items are subject to the following restocking charges:

Up to 30 days from invoice date - 15% restocking fee 31 to 90 days-25% restocking fee 91days to 6 months-50% restocking fee over 6 months-no refund

Items must be returned in new, unused condition. Refunds will not be given for custom, non-stocked or field altered materials.

Our Customer Service Department must approve warranty returns before replacement items are shipped.

Shortages: Please report all merchandise discrepancies (shortages, overages, incorrect materials, etc.) to The Greenhouse Company immediately upon receipt of shipment. You will be billed for replacement material if not reported to The Greenhouse Company within 30 days after receiving shipment.

Minimum Orders: Due to order processing costs, please be sure your order meets our $50 minimum.

The Greenhouse Company of South Carolina, LLC Limited Warranty

The Greenhouse Company of South Carolina, LLC. warrants to the original purchaser the greenhouse structure is free from defects in material and workmanship at the time of shipment from our Irmo, SC factory. This warranty is limited to twenty-four months from the date of original installation, whether in use or not at that time, or eighteen months from date of shipment from The Greenhouse Company of South Carolina, LLC whichever occurs first.

INCLUSIONS

Included in this warranty along with the basic structure are any and all associated components manufactured by The Greenhouse Company of South Carolina, LLC such as benches, Versa Vent™, Palmetto Vent™, Carolina Cooler™. Greenhouse components purchased from The Greenhouse Company of South Carolina, LLC but manufactured by others, such as heaters, exhaust fans, polyethylene film, and shadecloth, are warranted in accordance with the respective supplier of the component.

The Greenhouse Company of South Carolina, LLC obligation under this warranty is limited to replacement of the defective part of The Greenhouse Company of South Carolina, LLC product following inspection and confirmation by The Greenhouse Company of South Carolina, LLC. This warranty does not apply if the product has been subjected to misuse, negligence, accident, corrosive environment, physical damage, or installation/operation contrary to The Greenhouse Company of South Carolina, LLC printed instructions. The Greenhouse Company of South Carolina, LLC shall not be liable for any default or delay in performance of its warranty obligations hereunder caused by any circumstances beyond its control, including but not limited to judicial or government restrictions or restraints, strikes, fires, floods, winds, or reduced supplies or raw materials, energy or parts. The Greenhouse Company of South Carolina, LLC will not be liable for any loss, damage, cost of repair, labor costs, freight or incidental or consequential damages of any kind in connection with the sale, use, or repair of any of The Greenhouse Company of South Carolina, LLC products. This warranty is in lieu of all other warranties, express and implied.

If for any reason you are not completely satisfied upon receipt of your order, please call our Customer Service Department at 1-800-258-7171. Complete or some assembly is required on most of The Greenhouse Company of South Carolina, LLC products.

The Greenhouse Company
of South Carolina, LLC
PO Box 685
Irmo, SC 29063

800-258-7171
803-798-6584 (fax)
TheGreenhouseCompany.net

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"My first purchase from Jāderloon® was in 1987 when I managed Inlet Nursery in Murrells Inlet, South Carolina. We decided to improve the garden center building by installing a quality greenhouse to replace the existing homemade structure. We purchased a two-bay Classic gutter-connect greenhouse. The service and quality were great - from then on I knew that Jāderloon® would be my source for greenhouses. A testimonial from a friend after Hurricane Hugo confirmed my feelings about Jāderloon® products.

"I moved from Inlet Nursery to Greenville, SC and opened Upstate Greenery. I purchased a Jāderloon® six-bay Classic gutter-connect with exhaust fans and a cooler - the greenhouse was perfect for Geraniums. I sold the business seven years later and had no problems with the greenhouse during my time at Upstate Greenery.

"Then I moved to Pawley's Island and purchased a four-bay Jāderloon® Classic gutter-connect greenhouse. I chose the Jāderloon® Classic because of the ease of adding on bays to expand the facility later. I expanded my business with a brand new facility in Little River called Carolina Greenery. The facility was beautiful. A 150 mph wind load was required, so Jāderloon® engineered the greenhouse to meet the wind load. Jāderloon® installed the greenhouse, and once again it was a great experience. Even though we are located on the coast, there are no rust issues with the columns, and they all still look great 10 years later

"I have personally installed many of the Jāderloon® greenhouses that I have purchased over the years. The provided installation instructions are easy to follow, and Jack Noles at Jāderloon® is great at walking you through any problems. I have seen Jāderloon® greenhouses make it through Hurricane Matthew as well as other hurricanes and severe storms. I believe in the Jāderloon® products and will continue to use their products in my career.

– Dixon Boggs, Owner
Carolina Greenery in Little River, SC

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The Greenhouse Company

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